

Commonwealth of Virginia



DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF ANALYSIS

Central Laboratory 700 N. 5th Stroot Richmond, VA 23219

Fobruary 17, 2021

Tel. No.:

(804) 786-4707

Fax:

(804) 786-6907

TO:

JUSTIN COWAN

DEPARTMENT OF STATE POLICE 2434 PINE FOREST DRIVE COLONIAL HEIGHTS, VA 23834

FS Lab # C21-516

Your Case #:

21-533

Victim(s):

HILL, Xzavier Devonte

Suspect(s):

Evidence Submitted By:

Jonathan W. Johnson

Date Received:

01/14/2021

Item 1

One (1) SIG Sauer Model P320, caliber 357 SIG, pistol, serial number 58C295057, with one (1)

magazine and twelve (12) Speer caliber 357 SIG cartridges

Item 2

One (1) SIG Sauer Model P320, caliber 357 SIG, pistol, scrial number 58C273133, with one (1)

magazine and fourteen (14) Speer caliber 357 SIG cartridges

Item 2T

Ammunition components from test firing the Item 2 firearm (Item created at the Central Laboratory)

Item 6 Item 7 One (1) Speer caliber 357 SIG cartridge case Onc (1) Speer caliber 357 SIG cartridge case

Item 8

One (1) Speer caliber 357 SIG cartridge case

Itcm 9

One (1) Smith & Wesson Model SD40, caliber 40 S&W, pistol, serial number FCL1110, and one (1)

Aguila caliber 40 S&W cartridge

Item 16

One (1) magazine and eight (8) Aguila caliber 40 S&W cartridges

Item 20

One (1) bullet

Item 21

One (1) bullet

RESULTS AND INTERPRETATIONS:

The Item 1 firearm was examined, found to be in mechanical operating condition with the safety features functioning properly, and test fired using the submitted magazine. The Item 1 cartridges were examined and found to be the type designed for use with the Item 1 firearm. Three (3) of the Item 1 cartridges were used for test firing purposes. The resultant ammunition components are being returned in Container 1 and should be maintained for possible future examinations.

The Item 7 and 8 cartridge cases and Item 21, consistent in design with a Speer caliber 357 SIG Gold Dot jacketed hollow-point bullet, were examined microscopically and identified as having been fired in/from the Item 1 pistol based on corresponding class and individual characteristics.

The Item 2 firearm was examined, found to be in mechanical operating condition with the safety features functioning properly, and test fired using the submitted magazine. The Item 2 cartridges were examined and found to be the type designed for use with the Item 2 firearm. Three (3) of the Item 2 cartridges and three (3) cartridges from laboratory stock ammunition were used for test firing purposes. The resultant ammunition components from laboratory stock ammunition are being returned as Item 2T. The resultant ammunition components are being returned in Container 2 and should be maintained for possible future examinations.



Commonwealth of Virginia





DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF ANALYSIS

The Item 6 cartridge case and Item 20, consistent in design with a Speer caliber 357 SIG Gold Dot jacketed hollow-point bullet, were examined microscopically and identified as having been fired in/from the Item 2 pistol based on corresponding class and individual characteristics.

The Item 9 firearm was examined, found to be in mechanical operating condition with the safety features functioning properly, and test fired using the Item 16 magazine. The Item 9 and 16 cartridges were examined and found to be the type designed for use with the Item 9 firearm. Three (3) of the Item 16 cartridges were used for test firing purposes. The resultant ammunition components are being returned in Container 7 and should be maintained for possible future examinations.

The cartridge cases from test firing the Item 9 firearm were microscopically examined, one (1) of these cartridge cases was entered into the NIBIN system, and a search was conducted. No associations were made at this time; however, searches will be conducted periodically as new images are entered into the database.

Dates of testing: 1/28/2021 - 2/17/2021. Supporting examination documentation is maintained in the case file. The above listed methods are those approved for use at the time of analysis. Current methods can be found in the Firearms and Toolmarks Procedures Manual, which can be found at www.dfs.virginia.gov/documentation-publications/manuals/.

The evidence is being retained for personal pickup.

Attest:

I certify that I performed the above analysis or examination as an employee of the Department of Forensic Science and that the above is an accurate record of the results and interpretations of that analysis or examination.

Forensic Scientist

OCME (# C0021-21)

DEPARTMENT OF HEALTH OFFICE OF THE CHIEF MEDICAL EXAMINER 400 EAST JACKSON STREET DICTIMOND VIDCINIA 23210

Autopsy C0021-21 File# C2021-73266 Date/Day 01/11/2021 Monday Time 09:00 a.m.	
REPORT OF AUTOPSY	
DECEDENT Xzevier	Hill
Autopsy Authorized by: Dr. Daniel Shapiro, Medical Examiner for Goochlan	· · · · · · · · · · · · · · · · · · ·
	ESENT AT AUTOPSY: o, M.D., Jeffery Gofton, M.D., and Aria Rowshan.
Rigor: Complete Liver: Pink Distribution: Posterior Age: 18 Race: B	lack Sex: Male Length: ~65" Weight: ~156 lbs.
Eyes: Brown Hair: Black Mustache: Yes Beard: Yes Circumcised: Yes I CLOTHING, PERSONAL EFFECTS, EXTERNAL WOUNDS, SCARS, T.	BODY HEAT: REPRESENTATION FEATURES:
CLOTHING/FERSONAL EFFECTS: The body is received clothed in a t-shir watch, two bracelets, two earnings, a necklace, and a rubber band.	
EXTERNAL EXAMINATION: The decedent is a well-developed, well-now stated age. There is no decomposition. The head is normocephalic with two abr 0.2 cm, and a 6.0 cm x 2.0 cm left cheek contusion. The eyes are clear, with unren in addition to several mandibular teeth. The remaining dentition is natural and in at the left face, described below. The neck, chest, abdomen, and back are intact described below. A 5.0 cm x 2.0 cm contusion is present at the right lateral neck. neck. A 4.0 cm x 1.0 cm contusion is present at the right clavicle. A 3.0 cm x patterned abrasions are present over the anterior neck, measuring 1.0 cm x 0.2 cm x 1.0 cm contusion is present at the left upper chest. The arms, hands, legic covered with a white bag. The bags are removed and discarded per office protovisible soot on the hands. A gunshot wound is present at the left hand, described cm abrasion and a 2.0 cm x 0.5 cm contusion at the left hand. The right arm and	narkable conjunctivae. The left mandible is fractured, a healthy state of repair. A gunshot wound is present at the posterior neck, A 2.5 cm x 1.0 cm contusion is present at the anterior 2.0 contusion is present over the left clavicle. Three 2.0 cm x 0.3-0.1 cm, and $1.2 \text{ cm x } 0.2 \text{ cm}$, A 2.5 s, and feet are intact. At examination, the hands are col. There is blood amear on the hands. There is no below. The left arm is remarkable for a 0.7 cm x 0.2
MARKS OF THERAPY: None,	
SIGNS OF ORGAN DONATION: None.	
SCARS: Well-healed scars of the right shoulder, upper extremity, and left lower	r extremity.
TATTOOS: As per autopsy photographs.	
X-RAYS: Skeletal survey reveals a projectile at the left maxillary region and rig	tht clavicular region.
HISTORY: Shot by law enforcement following a police pursuit. Pronounced de	ad on scene.
PATHOLOGICAL DIAGNOSES:	
 Penetrating, indeterminate range gunshot wound to the posterior neck (a posterior midline. The entrance wound consists of a 1.5 cm x 0.7 cm, 1 margin. There is no soot or stippling on the surrounding skin surface. The cm x 1.5 cm, deformed, jacketed projectile is located within the maxills involves the C1 and C2 vertebrae (fractured), partial transection of the where the projectile terminates its path. 	round defect, with a 0.1 cm circumferential abrasion he trajectory is forward and slightly rightward. A 1.5 my sinus and submitted as evidence. The wound path spinal cord, pharyngeal soft tissues, maxillary sinus
2. Penetrating, indeterminate range gunshot wound to the left face (F), cen midline. The entrance wound consists of a 2.0 cm x 1.0 cm, ovoid defer a 0.5 cm laceration at the 6 o'clock position, and an abrasion margin, o'clock positions. There is no soot or stippling on the surrounding skin A 0.8 cm x 0.5 cm, jacketed, deformed projectile is recovered from the of anterior midline, and is submitted as evidence. The wound path involved and injury to the pharyngeal soft tissues, thyrohyoid muscle, sternot terminates its path. Associated subcutaneous hemorrhage and contusion.	measuring 0.1 cm thick between the 9 o'clock to 3 surface. The trajectory is to the right and downward. right clavicle, 14" from the top of the head, 1" right ves fracture of the left mandible and associated tooth, hyroid muscle, and right clavicle, where the bullet
Cause of Death: Gunshot wound to neck.	Final Report: February 11, 2021
The facts stated herein are true and correct to the best of my knowledge and beli	ef.
(M) 10 10 -0 1	9-8-
Date Signed Place of Autopsy	Signature of Pathologist

Signature of Pathologist Daniel Shapiro, M.D.

Autopsy	C0021-21
File#	C2021-73266 01/11/2021, Monday
Date/Day Time	09:00 a.m.

REPORT OF AUTOPSY # C0021-21

Page 2 HIII DECEDENT **Xzavier**

- Perforating, indeterminate range gunshot wound to the left hand, with entrance (E) adjacent to the base of the thumb, centered 23.5" from the top of the shoulder and 2.25" left of posterior midline of the arm. The entrance wound consists of a 0.8 cm x 0.8 cm, round defect. There is no soot or stippling on the surrounding skin surface. The trajectory is dorsal to ventral, lateral to medial, and slightly distal. An exit wound is present at the palmar surface of the left hand (B). The exit wound consists of a 2.5 cm x 1.0 cm defect, 24" from the top of the shoulder and 2.5" left of anterior midline, with three lacerations (0.6 cm, 0.5 cm, and 0.5 cm) at the 3 o'clock to 7 o'clock position. A re-entrance wound (C) is present at the palmar surface of the left hand, 25" from the top of the shoulder, 0.5" right of anterior midline. The re-entrance wound consists of a 3.2 cm x 1.3 cm, irregular defect with a 1 cm laceration at the 12 o'clock position. A re-exit wound (D), is present at the left medial aspect of the fourth digit, consisting of a 2.0 cm x 0.7 cm, irregular defect, situated 25.5" from the top of the shoulder and 1" right of anterior midline. There are no recoverable projectile fragments. The wound path is associated with fracture of the left fourth proximal phalange.
- Additional findings.
 - Pulmonary vascular congestion, mild.
 - Accessory spleen.
- Toxicology findings.
 a. 11-Hydroxy Delta-9 THC- 6.1 ng/mL (iliac blood).
 b. Delta-9 Carboxy THC- 120 ng/mL (iliac blood).
 c. Delta-9 THC- 21 ng/mL (iliac blood).

REPORT OF AUTOPSY # C0021-20 Page 3

GROSS DESCRIPTION

The pleural and pericardial spaces are intact and without abnormal fluid collections. The abdominal cavity is SEROUS CAVITIES:

predominately smooth without adhesions or abnormal fluid collections. The organs are in their usual

anatomic locations.

HEART:

The heart weighs 417 grams. The epicardial surface is smooth, glistening, and intact. There is no atherosclerosis. The coronary arteries arise distribute normally. The valves are normally formed and within normal limits. The myocardium is diffusely maroon, intact, and without hemorrhage, necrosis, or scar. The left ventricle, septum, and right ventricle measure 1.3 cm, 1.5 cm, and 0.5 cm, respectively.

The aorta arises and distributes normally. There is no atherosclerosis throughout the aorta. AORTA:

Hemorrhage is present at the thyrohyoid and sternothyroid muscles, associated with a gunshot wound track. **NECK ORGANS:**

The hyoid bone and laryngeal cartilages are intact and without injury. The thyroid gland is symmetric and

without focal lesions.

The right lung weighs 422 grams, while the left is 325 grams. The upper airways are intact and contain a scant amount of mucus. The pleural surfaces are smooth and intact with reticular anthracosis. The LUNGS:

parenchyma is moderately congested with minimal edematous fluid. There are no mucus plugs. The

pulmonary vasculature is free of thrombosmbolus.

Within normal limits. LYMPH NODES:

1,363 grams. Intact capsule covering a maroon parenchyma. The cut surfaces show no focal lesions. LIVER:

The gallbladder is present and contains approximately 10 mL of bile. There are no stones or mucosal lesions. GALLBLADDER:

115 grams. The capsule is intact. The parenchyma is maroon and without focal lesions. A 1.5 cm x 0.5 cm SPLEEN:

accessory spleen is adjacent to the spleen.

Tan, lobulated, and intact without focal lesions. PANCREAS:

Intact and without hemorrhage. ADRENAL GLANDS:

Tongue is intact and shows no injury. Esophagus is intact and shows no mucosal lesions. The stomach is of the usual configuration and contains scant brown chyme. There are no pills or fragments seen. The small and large bowels are intact and without injuries. The appendix is present and unremarkable. GI TRACT:

The right is 124 grams, while the left kidney is 112 grams. The capsules strip with ease to reveal regular, smooth contours. The renal parenchyma is red-maroon with no focal lesions. The pelves and ureters are intact KIDNEYS:

and without obstruction.

The bladder contains approximately 50 cc of clear, yellow urine. The mucosa is intact and without lesions. BLADDER:

GENITALIA: Internal genitalia are intact and without injury.

BRAIN & MENINGES: The brain weighs 1,483 grams. The dura mater is intact. No evidence of epidural, subdural, or subarachnoid hemorrhages. The leptomeninges are thin and delicate. Serial coronal sections through the cerebral hemispheres demonstrate no evidence of intraparenchymal hemorrhage or focal lesions. The lateral ventricles are of the usual caliber. Serial transverse sections through the brainstem and cerebellum are unremarkable. The spinal cord at the level of the C1 and C2 vertebrae is partially transected, and hemorrhagic. Intraventricular hemorrhage is not present. There is no fluid in the sphenoid sinuses. There is no significant atherosclerosis present in the Circle of Willis.

MUSCULOSKELETAL: Fractures of the left fourth proximal phalange, C1 and C2 vertebrae, and left mandible. No additional bone or joint abnormalities are seen. Skeletal muscle is red-maroon and moist with a mass appropriate for the decedent's

age and sex.

MICROSCOPIC SECTIONS: Heart, hmg, liver, kidney.

Toxicology ⊠ X-Ray ⊠ Fingerprints ⊠ Dental □ DNA ⊠ GSR ⊠ OTHER LAB PROCEDURES: Photo \(\overline{\Omega}\) Micro \(\overline{\Omega}\)
PERK \(\omega\) HIV \(\omega\) Hepatitis \(\omega\) Bacteriology\(\overline{\Omega}\) Virology Accelerants Other

DISPOSITION OF EVIDENCE:

TOXICOLOGY (NMS) – Blood.

OCME – Vitrous, blood, liver, bile, urine.

INVESTIGATOR – Projectiles, DNA card, GSR kit, clothing and personal effects. FUNERAL HOME - None.

REPORT OF AUTOPSY # C0021-20 Page 4

MICROSCOPIC DESCRIPTION:

HEART: No significant histopathologic abnormality.

LUNG: Mild pulmonary vascular congestion, intra-alveolar and bronchial crythrocyte accumulation (hemoaspiration), and mild alveolar macrophage accumulation.

LIVER: No significant histopathologic abnormality.

KIDNEY: No significant histopathologic abnormality.

SUMMARY:

The decedent was an 18-year-old male who was involved in a vehicular pursuit with police and was subsequently shot during the incident. He was pronounced dead at the scene.

The examination showed gunshot wounds involving the face, neck and left hand. The gunshot wound to the neck was associated with lethal injury. There was no significant natural disease.

Postmortem toxicology revealed metabolites of marijusna and nicotine, which did not contribute to death.

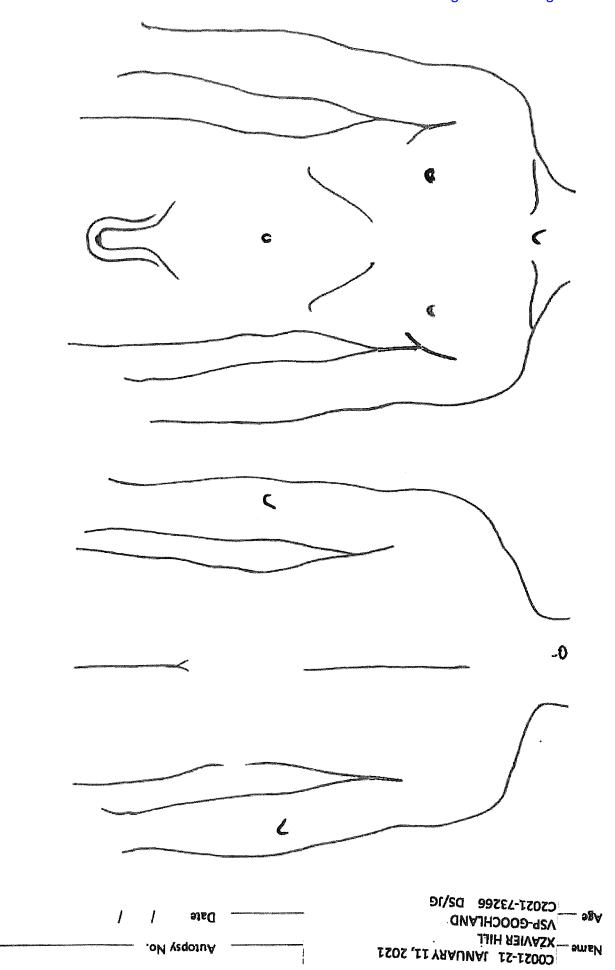
CAUSE OF DEATH:

Gunshot wound to the neck.

MANNER OF DEATH:

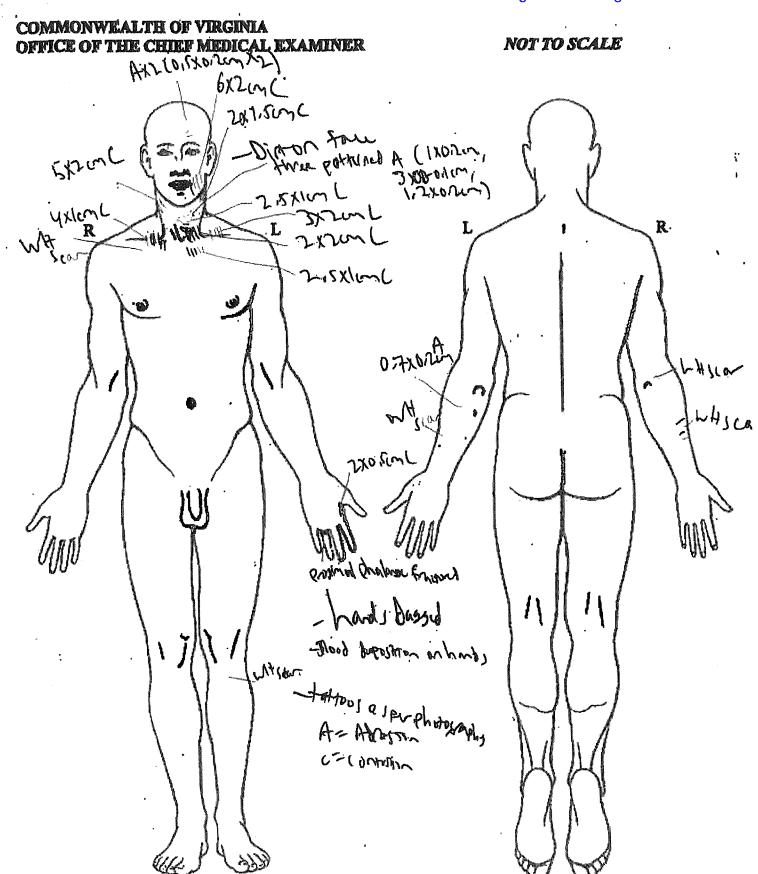
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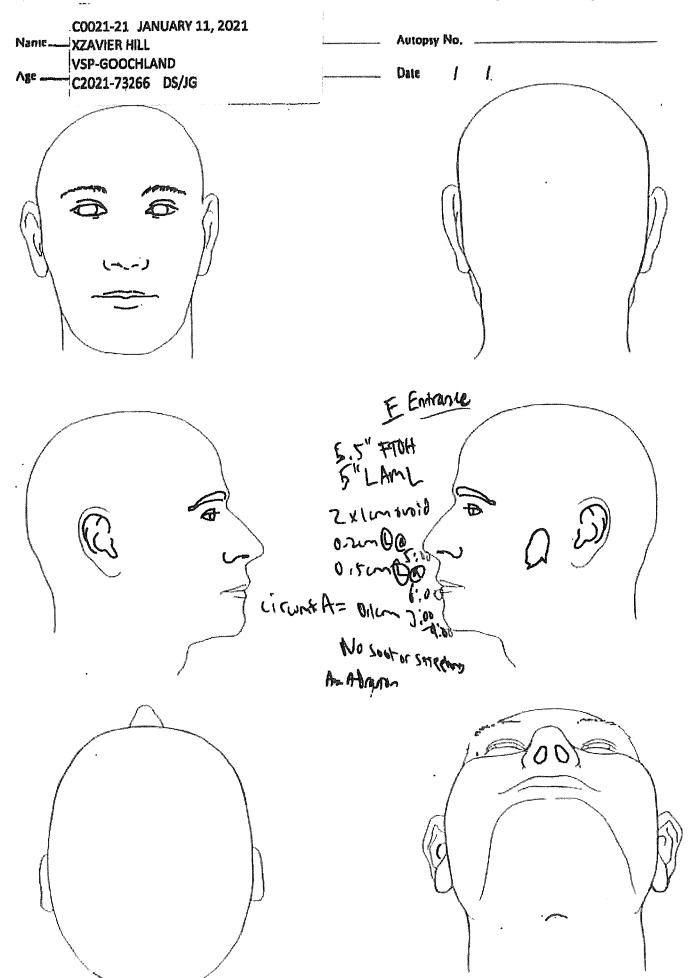


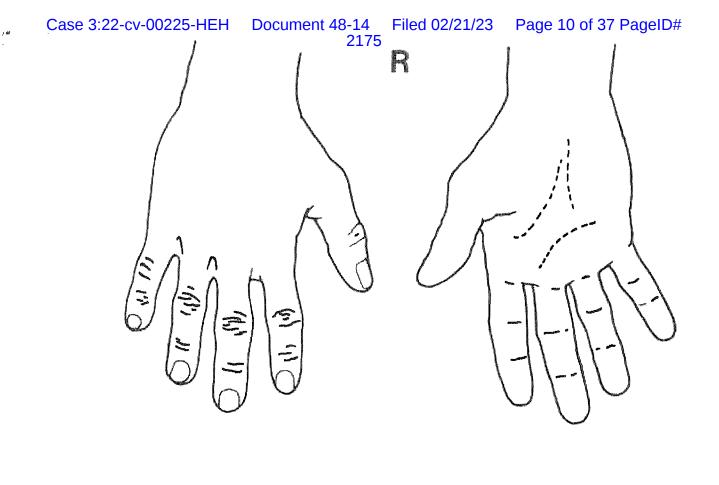
Thoracic abdominal, male, anterior and posterior views.

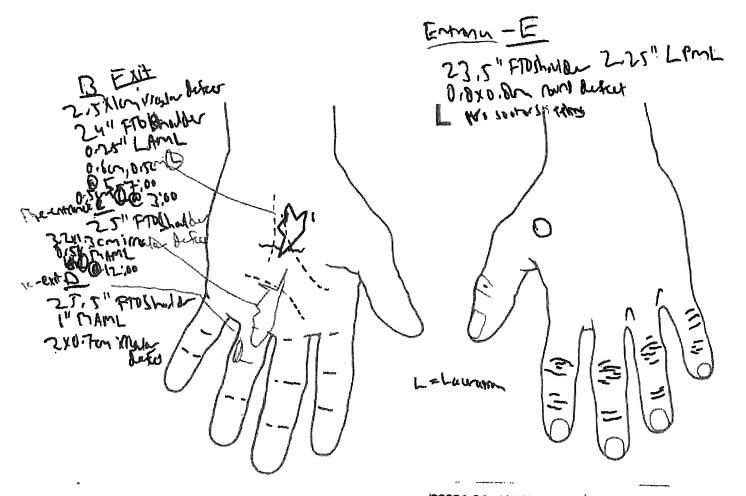
HOM, The LAND ON A BROWN SINGLAGURANT



CO021-21 JANUARY 11, 2021 XZAVIER HILL VSP-GOOCHLAND C2021-73266 DS/JG







Commonwealth of Virginia Office of the Chief Medical Examiner

e-

C0021-21 JANUARY 11, 2021
Decedent's Name/CAVIER HILL
VSP-GOOCHLAND
Examined By _____C2021-73266 DS/JG

Decedent is NON-RESIDENT of City/ County of Death

Commonwealth of Virginia Department of Health Office of the Chief Medical Examiner

Case Number: C2024-73288

CENTRAL DISTRICT

400 HAST JACKSON STREET RICHMOND, VA 23219

REPORT OF INVESTIGATION

Deces	lent	XZAVIER		D	EYONTE	HILL				
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Age	18 Yrs	DOB	6/12/2	002 Sex	MALE Les	at Known Occupation	للبلا	EGUARD		
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Jurled	iction VIR	GINIA STATE PO	LICE							
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EV.	AMINATION	OF 1/11/2021		0900	OFFICE OF THE C	HIEF MEDICAL	***********	RICHMON	AV, C	Shapiro, Daniel
RA		o .			EXAMINER - CEN	TRAL DISTRICT				
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23	-Feb-2021	1516	JE	FFERY GOFTO	N			74		
De	te/Time		Nam	e of Assistant Ch	lef Medical Examina	97	Ş	Manaline of	essimani Chief Med	ical Examiner
23	-Feb-2021	1483	CAI	RLETON, LEBI	JE		SQUISUSCOPPOSTS -			
De	da/∏me		Nam	e of Reviewing M	ledicologal Death In	vestigator				

Case 3:22-cv-00225-HEH Document 48-14 Filed 02/21/23 Page 12 of 37 PageID#

			MEI	DIÇAL HISTORY	***************************************		750000000000000000000000000000000000000
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Oother (specify)):						
Treating MD	Manada and a second				Phones	problems of the second	and the second of the second o
loopkalizations	s (when/where)						
Medications							
Tox requested:	YES						
Bustimury of Cit The decedest w	roumetences: /es en 18-year-old male :	was involved ka a	vehiculer pursult with p	alice and was subsequently	rbot. He was proc	යගාගදේ ජනප් හැ	

50000.

The examination showed gunshot wounds involving the face, neck and left hand. The gunshot wound to the neck was associated with letted injury. There was no significant actural disease.

Postmortem toxicology revealed metabolites of marijuana and nicotina, which did not contribute to death.

Decedent: XZAVIER DEYONTE HILL

2-cv-00225-HEH

Filed 02/21/23 Page 13 of 37 PageID#

200 Weish Road, Horsham, PA 19044-2208 Phone: (215) 867-4900 Fex: (215) 687-2972 e-mail: nma@nmalaba.com

Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director

Toxicology Report

Report leaued 01/30/2021 10:01

10188

To:

Office of the Chief Medical Exeminer-Central

400 East Jackson Street

Richmond, VA 232193694

Patient Name

Patient ID Chain

HILL, XZAVIER C2021-73266 21014234

Age 18 Y DOB 08/12/2002

Gender Workorder Male 4E544045

Page 1 of 3



Positive Findings:

Compound	Result	Yote	Matrix Source
Cotinine ,	Positive	ng/mL	001 - Iliac Blood
11-Hydroxy Delta-9 THC	6.1	ng/mL	001 - Illac Blood
Delte-9 Carboxy THC	120	ng/mL	001 - Illac Blood
Delta-9 THC	21	ng/mL	001 - Illac Blood

See Detailed Findings section for additional information

Testing Requested:

Analysis Code	Description
 80 529	Postmortero, Expanded, Blood (F.orensic)

Specimens Received:

ID	Tube/Container	Volume/ Mass	Collection Date/Time	Matrix Source	Labeled As
001		14 mL	01/11/2021 10:00	Illac Blood	C2021-73266
002		Not Given	Not Given	Shipping Container	Not Applicable

All sample volumes/weights are approximations.

Specimens received on 01/13/2021.

Document 48-14 Workorder Chain

21014234

21014234 C2021-73266

Page 2 of 3

Patient ID

Detailed Findings:

Analysis and Comments	Result	Units	Rpi. Limit	Specimen Source	Analysis By
Cotinine	Positive	ng/mL	200	001 - Illac Blood	LC/TOF-MS
11-Hydroxy Delta-9 THC	6.1	ng/mL	1.0	001 - Illac Blood	LC-MS/MS
Delta-9 Carboxy THC	120	ng/mL	5.0	001 - Illec Blood	LC-MS/MS
Delta-9 THC	21	ng/mL	0.50	001 - Illac Blood	LC-MS/MS

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of textoological significance by precedures outlined in the accompanying Analysis Summary.

Reference Comments:

- 1. 11-Hydroxy Delte-9 THC (Active Metabolite) Illac Blood:
 - 11-Hydroxy Delta-9 THC is an active intermediate metabolite of tetrahydrocannebinol (THC) the active component of marijuans. Usuai peak lavels: Less than 10% of THC levels after smoking.
- 2. Cotinine (Nicotine Metabolite) Illac Blood:

Cotinine is a metabolite of nicotine and may be encountered in the fluids and tissues of an individual as a result of tobacco exposure.

Anabasine is a natural product occurring in tobacco, but not in pharmaceutical nicotine and a separate test for anabasine in urine can be used to distinguish tobacco from pharmaceutical nicotine use.

The reported qualitative result for this substance was based upon a single analysis only. If confirmation testing is required please contact the laboratory.

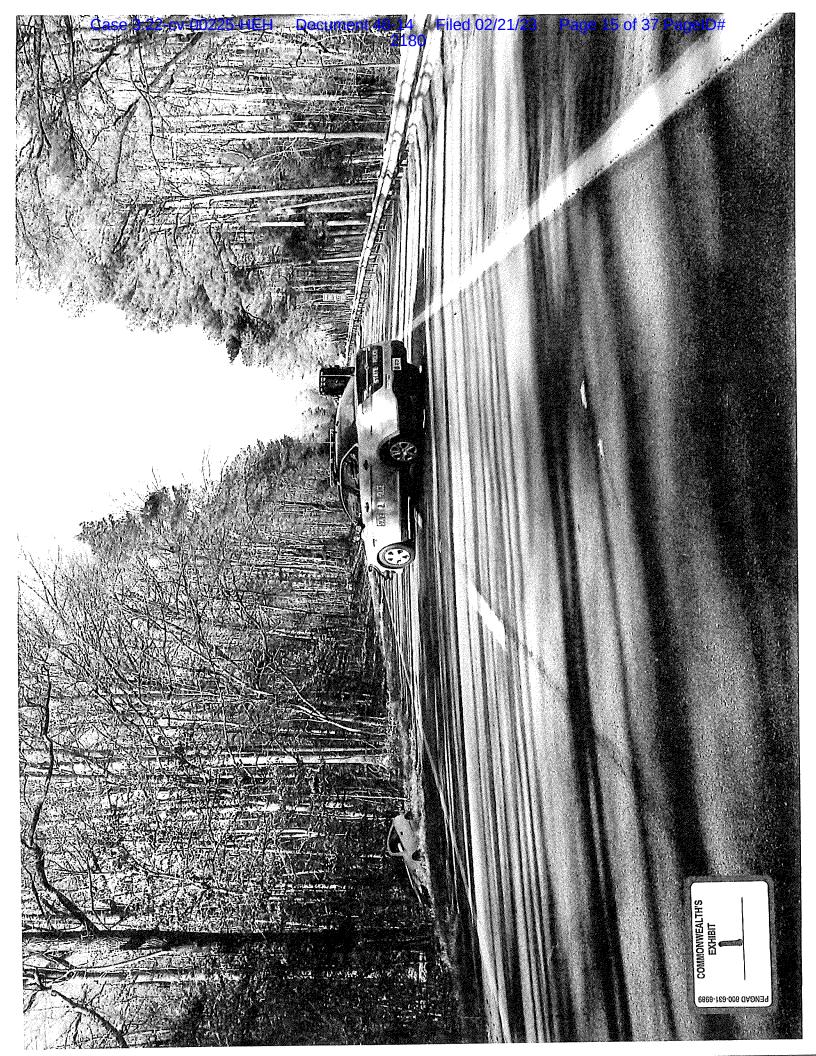
- 3. Delta-9 Carboxy THC (Inactive Metabolite) Iliac Blood:
 - Delta-9-THC is the principle psychoactive ingredient of marijuana/heahlah. Delta-9-carboxy-THC (THCC) is the inactive metabolite of THC. The usual peak concentrations in serum for 1.76% or 3.66% THC marijuana cigarettes are 10 101 ng/mL attained 32 to 240 minutes after beginning smoking, with a slow decline thereafter. The ratio of whole blood concentration to plasma concentration is unknown for this analyte. THCC may be detected for up to one day or more in blood. Both delta-9-THC and THCC may be present substantially longer in chronic users. THCC is usually not detectable after passive inhalation.
- 4. Delta-9 THC (Active Ingredient of Marijuens) Illac Blood:

Marijuana is a DEA Schedule I hallucinogen. Pharmacologically, it has depressant and reality distorting effects. Collectively, the chemical compounds that comprise marijuana are known as Cannebholds.

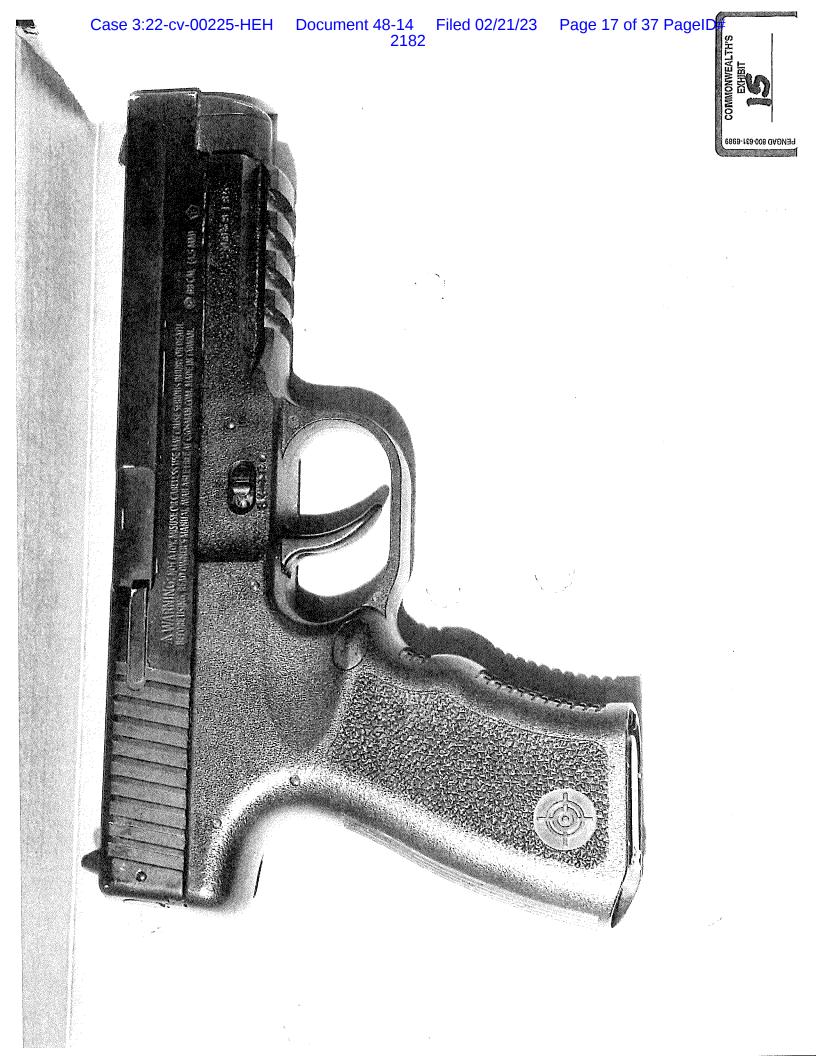
Delta-9-THC is the principle psychoactive ingredient of marijuana/hashish. It rapidly leaves the blood, even during smoking, falling to below detectable levels within several hours. Delta-9-carboxy-THC (THCC) is the inactive metabolite of THC and may be detected for up to one day or more in blood. Both delta-9-THC and THCC may be present substantially longer in chronic users.

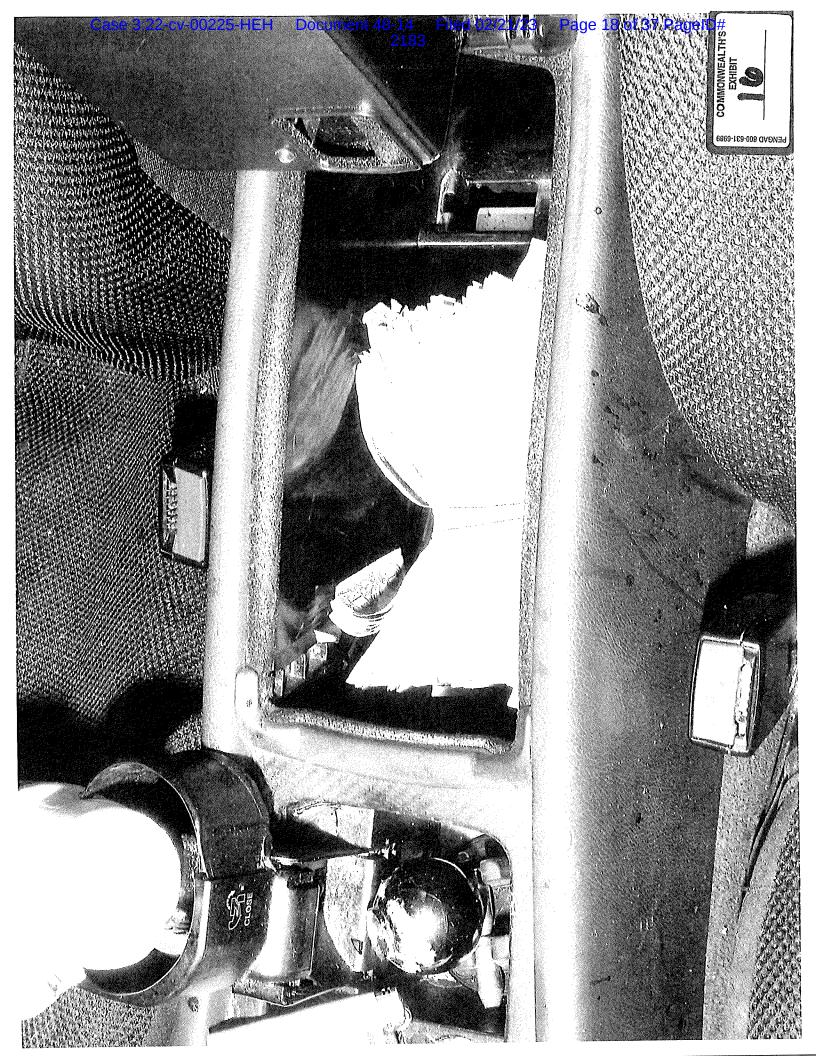
THC concentrations in blood are usually about one-half of serum/plasma concentrations. Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50 - 270 ng/mL at 6 to 9 minutes after beginning amoking, decreasing to less than 5 ng/mL by 2 hrs.

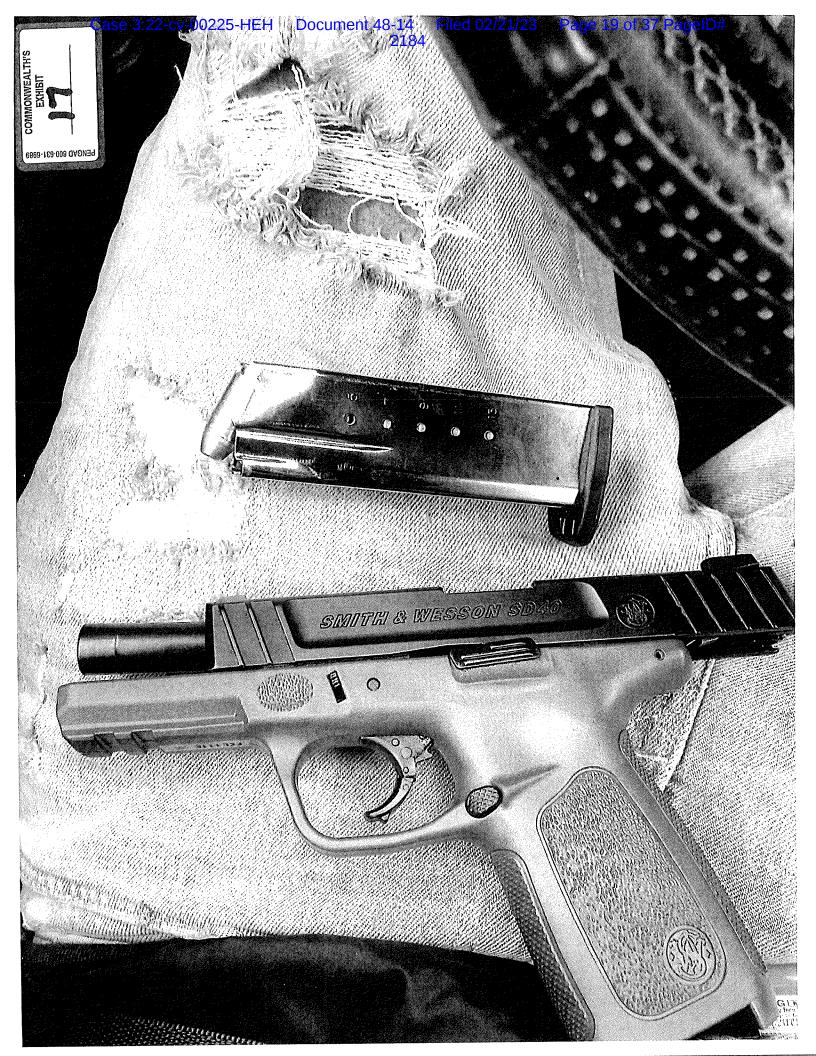
Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded six (6) months from the date of this report; and generated data will be discarded five (5) years from the date the analyses were performed.



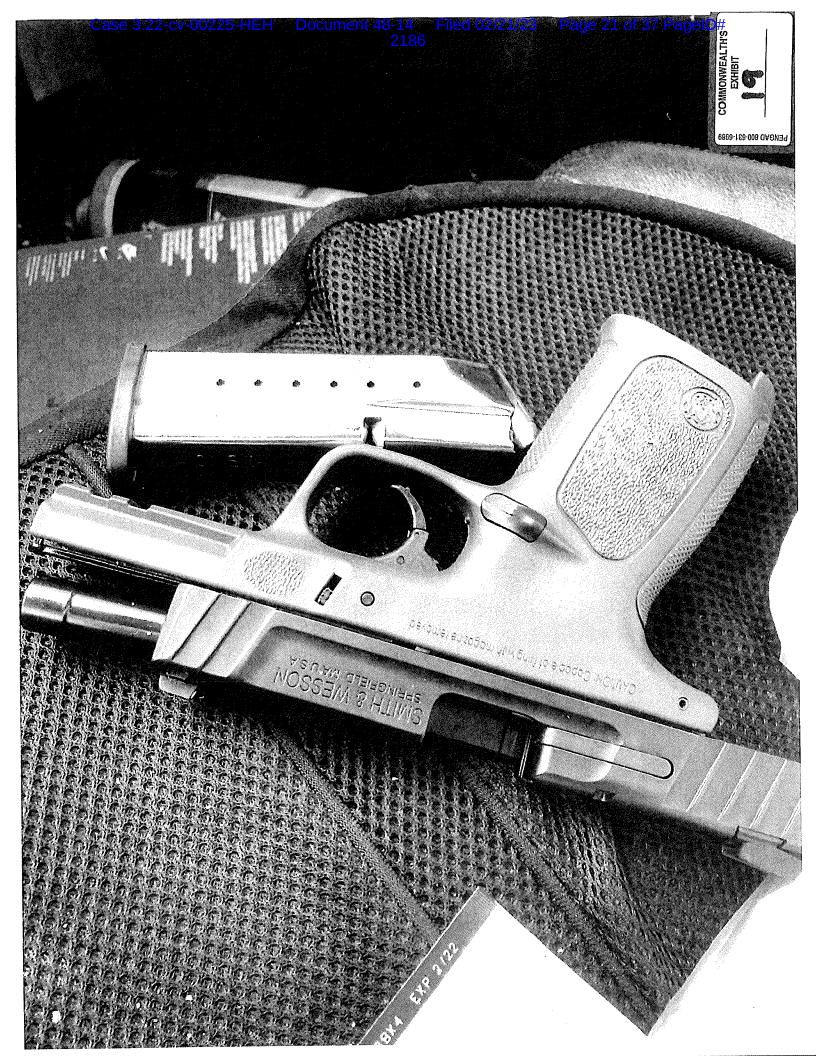




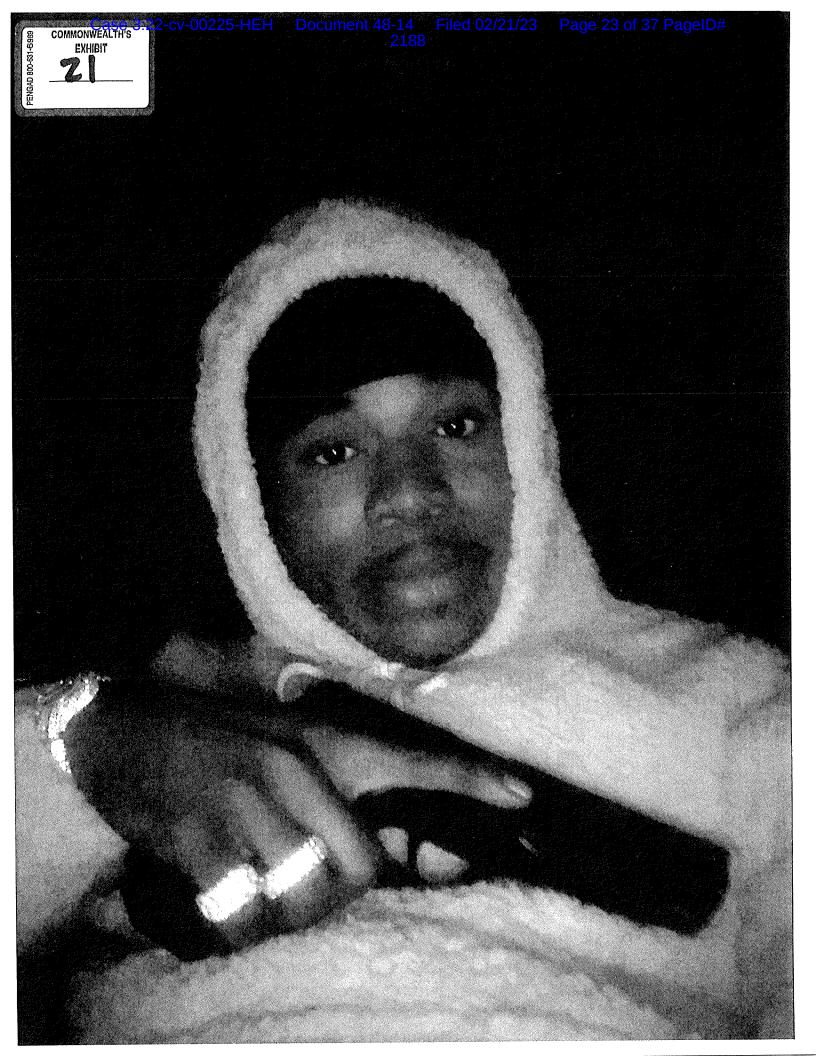
















Extraction Report - Apple iOS Full File system

Searched Items (3)

#	Timestamp	Source	Value	Parameters	Origin	Deleted	Account
1	1/8/2021 2:16:32 PM(UTC- 5)	Safari Source file: a061bfecd03a6c0232b7 e6a4cb579776a9718b0 5 files partial- afu.zip/private/var/mobil e/Containers/Data/Appli cation/7AC5D39B-FA62- 44A7-9D3F- 4D25A095A910/Library/ Preferences/com.apple. mobilesafari,plist: 0x649 (Size: 4222 bytes)	check gun serial number		Default		
2	1/7/2021 2:45:35 PM(UTC- 5)	Safarl Source file: a061bfecd03a6c0232b7 e6a4cb579776a9718b0 5 files_parlial- afu.zlp/private/var/mobil e/Containers/Data/Appli cation/7AC5D39B-FA62- 44A7-9D3F- 4D25A095A910/Library/ Preferences/com.apple. mobilesafari.plist: 0x769 (Size: 4222 bytes)	smith and wesson SD40		Default		
3	1/6/2021 7:46:55 PM(UTC- 5)	Safari Source file: a061bfecd03a6c0232b7 e6a4cb579776a9718b0 5 files_partial- afu.zip/private/var/mobil e/Containers/Data/Appli calion/7AC5D39B-FA62- 44A7-9D3F- 4D25A095A910/Library/ Preferences/com.apple. mobilesafarl.plist: 0x844 (Size: 4222 bytes)	driving with lights off		Default		

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County of Death

Commonwealth of Virginia Department of Health

Case Number: C2021-73266

Office of the Chief Medical Examiner

CENTRAL DISTRICT

400 EAST JACKSON STREET RICHMOND, VA 23219

REPORT OF INVESTIGATION

Decedent X	ZAVIER	. I	DEYONTE	HILI				
Fir SSN	st Name		iliddle Name	Last N	Name .	•		Suffix Sr, Jr, III, etc
Home Address 12	563 SUMMIT MAI	NOR DRIVE AP	T#519 FAIRFAX,	VA 22033				
Nu	imber and Street	• • • •	City, State, Zip	-			7// 1// 1// 1// 1// 1// 1// 1// 1// 1// 	
Age 18 Yrs	DOB	Sex	MALE Les	t Known Occupation	ı Li	FEGUARI)	
Race BLACK	Hispanic? NO	Marit	al Status NEVEI	R MARRIED				and the second state of the second
MEDICAL EXAMINER A	AUTHORITY V	IOLENT OR UNI	IATURAL	• • •				
Police Notified YES	Investig	ator SPECIAL	AGENT COWAN	Phone	•			
				A TOTAL TOTAL AND A STATE OF THE STATE OF TH	************			
Jurisdiction VIRGINI/		<u> </u>				····	The state of the s	
		1	<u> 1: </u>			T		7
	DATE (MM/DD/YY)	TIME (24h)		LOCATION		CI.	TY/ COUNTY	BYWHOM
LAST KNOWN	1/9/2021	0456	I-64 WB 172.6 MILE			GOOCHLA		POLICE
ALIVE						COUNTY,	VA	
EVENT/INJURY	1/9/2021	0456	I-64 WB MILE MAR	KER 172.6		GOOCHLA COUNTY,		POLICE
FOUND	1/9/2021	0456	I-64 WB MILE MAR	KER 172.6		GOOCHLA COUNTY,		POLICE
DEATH)	1/9/2021	0456	I-64 WB MILE MARI	CER 172.6		GOOCHLA		GOOCHLAND EMS
EXAMINATION OF	1/11/2021	0900	OFFICE OF THE CH EXAMINER - CENTI	•		RICHMON	D, VA	SHAPIRO, DANIEL
Cause of Death:					Autopsy	/ (Y/N):	Y	
GUNSHOT WOUND	TO THE NECK		•		Authoria	zed by	ASSISTANT CHIE	F MEDICAL EXAMINER
					Patholo	gist	SHAPIRO, DANIE	L .
				. 1	Autops	/ No	C0021-21	
Manner of Death:	HOMICIDE				Location	n	CENTRAL OCME	
This case was reviewe	ed by:						**************************************	
riana kalit			•				- Tilligitimaniana and	FOCO TELEDON
23-Feb-2021 1519	JEF	FERY GOFTON	<u>i</u>			7	The second second second	A CONTRACTOR OF THE PROPERTY O
Date/Time	Name	of Assistant Chie	f Medical Examiner	•	SJ	Inature of A	ssistant Chief Med	lical Examiner
			•	. ••				
	, and	LETON LEON	·					
23-Feb-2021 1433		LETON, LESLI			-			•
Date/Time	Name	of Reviewing Me	dicolegal Death Inves	tigator .			•	

Case 3:22-cv-00225-HEH Document 48-14 Filed 02/21/23 Page 26 of 37 PageID# 2191

	·,	MEDI	CAL HISTORY			
☑none known □alcoho	llem 🗆 Cimhosis	□hepatitis	□drug abuse	□asthma	□bronchiti	s Demphysema
☐selzure disorder (cause)		□cancer		□diabetes	□hyperten	islon Datherosclerosis
□stroke □psychlatric di	agnosis (specify)		Дdept	ression 🗖 de	mentia (specif	у)
□recent trauma (specify)			· · · · · · · · · · · · · · · · · · ·			☐hip fracture
□acute infections (specify)			DHIV/AIDS	□сорр	Dobesity	□tobacco
□other (specify):						
Treating MD	and the second s	· .	•	Phone	lt	
Hospitalizations (when/whe	re)		, <i>.</i>			·
Medications						
		•	•			
Tox requested: YES			•			
Comment of Cleanmetaneas	s: -old male who was involved in	a vehicular pursuit with pol	ice and was subsequently	shot. He was pro	nounced dead on	1

Postmorteni toxicology revealed metabolites of marijuana and nicotine, which did not contribute to death.

Decedent: XZAVIER DEYONTE HILL

There was no significant natural disease.

DEPARTMENT OF HEALTH OFFICE OF THE CHIEF MEDICAL EXAMINER 400 EAST JACKSON STREET

RICHMOND, VIRGINIA 23219
Autopsy C0021-21 File# C2021-73266 Date/Day 01/11/2021, Monday Time 09:00 a.m.
REPORT OF AUTOPSY Hill
Autopsy Authorized by: Dr. Daniel Shapiro, Medical Examiner for Goochland County.
BODY IDENTIFIED BY: Removal service tag. Rigor: Complete Livor: Pink Distribution: Posterior Age: 18 Race: Black Sex: Male Length: ~65" Weight: ~156 lbs. Eyes: Brown Hair: Black Mustache: Yes Beard: Yes Circumcised: Yes Body Heat: Refrigerated. CLOTHING, PERSONAL EFFECTS, EXTERNAL WOUNDS, SCARS, TATTOOS, OTHER IDENTIFYING FEATURES:
CLOTHING/PERSONAL EFFECTS: The body is received clothed in a t-shirt, shorts, shoes, and socks. Personal effects include a watch, two bracelets, two earrings, a necklace, and a rubber band.
EXTERNAL EXAMINATION: The decedent is a well-developed, well-nourished, adult male, who appears consistent with the stated age. There is no decomposition. The head is normocephalic with two abrasions at the left forehead, each measuring 0.5 cm x 0.2 cm, and a 6.0 cm x 2.0 cm left cheek contusion. The eyes are clear, with unremarkable conjunctivae. The left mandible is fractured, in addition to several mandibular teeth. The remaining dentition is natural and in a healthy state of repair. A gunshot wound is present at the left face, described below. The neck, chest, abdomen, and back are intact. A gunshot wound is present at the posterior neck, described below. A 5.0 cm x 2.0 cm contusion is present at the right lateral neck. A 2.5 cm x 1.0 cm contusion is present at the anterior neck. A 4.0 cm x 1.0 cm contusion is present at the right clavicle. A 3.0 cm x 2.0 contusion is present over the left clavicle. Three patterned abrasions are present over the anterior neck, measuring 1.0 cm x 0.2 cm, 3.0 cm x 0.3-0.1 cm, and 1.2 cm x 0.2 cm. A 2.5 cm x 1.0 cm contusion is present at the left upper chest. The arms, hands, legs, and feet are intact. At examination, the hands are covered with a white bag. The bags are removed and discarded per office protocol. There is blood smear on the hands. There is no visible soot on the hands. A gunshot wound is present at the left hand, described below. The left arm is remarkable for a 0.7 cm x 0.2 cm abrasion and a 2.0 cm x 0.5 cm contusion at the left hand. The right arm and lower extremities are atraumatic.
MARKS OF THERAPY: None.
SIGNS OF ORGAN DONATION: None.
SCARS: Well-healed scars of the right shoulder, upper extremity, and left lower extremity.
TATTOOS: As per autopsy photographs.
X-RAYS: Skeletal survey reveals a projectile at the left maxillary region and right clavicular region.
HISTORY: Shot by law enforcement following a police pursuit. Pronounced dead on scene.
PATHOLOGICAL DIAGNOSES:
1. Penetrating, indeterminate range gunshot wound to the posterior neck (A), centered 6" from the top of the head, 0.75" left of posterior midline. The entrance wound consists of a 1.5 cm x 0.7 cm, round defect, with a 0.1 cm circumferential abrasion margin. There is no soot or stippling on the surrounding skin surface. The trajectory is forward and slightly rightward. A 1.5 cm x 1.5 cm, deformed, jacketed projectile is located within the maxillary sinus and submitted as evidence. The wound path involves the C1 and C2 vertebrae (fractured), partial transection of the spinal cord, pharyngeal soft tissues, maxillary sinus where the projectile terminates its path.
2. Penetrating, indeterminate range gunshot wound to the left face (F), centered 5.5" from the top of the head, 5" left of anterior midline. The entrance wound consists of a 2.0 cm x 1.0 cm, ovoid defect, with a 0.2 cm laceration at the 5 o'clock position, a 0.5 cm laceration at the 6 o'clock position, and an abrasion margin, measuring 0.1 cm thick between the 9 o'clock to 3 o'clock positions. There is no soot or stippling on the surrounding skin surface. The trajectory is to the right and downward. A 0.8 cm x 0.5 cm, jacketed, deformed projectile is recovered from the right clavicle, 14" from the top of the head, 1" right of anterior midline, and is submitted as evidence. The wound path involves fracture of the left mandible and associated teeth, and injury to the pharyngeal soft tissues, thyrohyoid muscle, sternothyroid muscle, and right clavicle, where the bullet terminates its path. Associated subcutaneous hemorrhage and contusions at the anterior neck.
Cause of Death: Gunshot wound to neck. Final Report: February 11, 2021
The facts stated herein are true and correct to the best of my knowledge and belief.
Figure 1. The contract of the contract of $lpha$ and
Richmond City Signature of Pathologist
Datiel Shapiro, M.D.

Autopsy	C0021-21	
File#	C2021-73266	
Date/Day Time	01/11/2021, Monday 09:00 a.m.	

REPORT OF AUTOPSY # C0021-21

Page 2 Hill DECEDENT

- 3. Perforating, indeterminate range gunshot wound to the left hand, with entrance (E) adjacent to the base of the thumb, centered 23.5" from the top of the shoulder and 2.25" left of posterior midline of the arm. The entrance wound consists of a 0.8 cm x 0.8 cm, round defect. There is no soot or stippling on the surrounding skin surface. The trajectory is dorsal to ventral, lateral to medial, and slightly distal. An exit wound is present at the palmar surface of the left hand (B). The exit wound consists of a 2.5 cm x 1.0 cm defect, 24" from the top of the shoulder and 2.5" left of anterior midline, with three lacerations (0.6 cm, 0.5 cm, and 0.5 cm) at the 3 o'clock to 7 o'clock position. A re-entrance wound (C) is present at the palmar surface of the left hand, 25" from the top of the shoulder, 0.5" right of anterior midline. The re-entrance wound consists of a 3.2 cm x 1.3 cm, irregular defect with a 1 cm laceration at the 12 o'clock position. A re-exit wound (D), is present at the left medial aspect of the fourth digit; consisting of a 2.0 cm x 0.7 cm, irregular defect, situated 25.5" from the top of the shoulder and 1" right of anterior midline. There are no recoverable projectile fragments. The wound path is associated with fracture of the left fourth proximal phalange. fourth proximal phalange.
- Additional findings.
 a. Pulmonary vascular congestion, mild.
 b. Accessory spleen.
- Toxicology findings.

 a. 11-Hydroxy Delta-9 THC- 6.1 ng/mL (iliac blood).

 b. Delta-9 Carboxy THC- 120 ng/mL (iliac blood).

 c. Delta-9 THC- 21 ng/mL (iliac blood).

REPORT OF AUTOPSY # C0021-20 Page 3

GROSS DESCRIPTION

SEROUS CAVITIES:

The pleural and pericardial spaces are intact and without abnormal fluid collections. The abdominal cavity is predominately smooth without adhesions or abnormal fluid collections. The organs are in their usual

anatomic locations.

HEART:

The heart weighs 417 grams. The epicardial surface is smooth, glistening, and intact. There is no atherosclerosis. The coronary arteries arise distribute normally. The valves are normally formed and within normal limits. The myocardium is diffusely maroon, intact, and without hemorrhage, necrosis, or scar. The left ventricle, septum, and right ventricle measure 1.3 cm, 1.5 cm, and 0.5 cm, respectively.

AORTA:

The aorta arises and distributes normally. There is no atherosclerosis throughout the aorta.

NECK ORGANS:

Hemorrhage is present at the thyrohyoid and sternothyroid muscles, associated with a gunshot wound track. The hyoid bone and laryngeal cartilages are intact and without injury. The thyroid gland is symmetric and

without focal lesions.

LUNGS:

The right lung weighs 422 grams, while the left is 325 grams. The upper airways are intact and contain a scant amount of mucus. The pleural surfaces are smooth and intact with reticular anthracosis. The parenchyma is moderately congested with minimal edematous fluid. There are no mucus plugs. The pulmonary vasculature is free of thromboembolus.

LYMPH NODES:

Within normal limits.

LIVER:

1,363 grams. Intact capsule covering a maroon parenchyma. The cut surfaces show no focal lesions.

GALLBLADDER:

The gallbladder is present and contains approximately 10 mL of bile. There are no stones or mucosal lesions.

SPLEEN:

115 grams. The capsule is intact. The parenchyma is maroon and without focal lesions. A 1.5 cm \times 0.5 cm accessory spleen is adjacent to the spleen.

PANCREAS:

Tan, lobulated, and intact without focal lesions.

ADRENAL GLANDS:

Intact and without hemorrhage.

GI TRACT:

Tongue is intact and shows no injury. Esophagus is intact and shows no mucosal lesions. The stomach is of the usual configuration and contains scant brown chyme. There are no pills or fragments seen. The small and large bowels are intact and without injuries. The appendix is present and unremarkable.

KIDNEYS:

The right is 124 grams, while the left kidney is 112 grams. The capsules strip with ease to reveal regular, smooth contours. The renal parenchyma is red-maroon with no focal lesions. The pelves and ureters are intact and without obstruction.

BLADDER:

The bladder contains approximately 50 cc of clear, yellow urine. The mucosa is intact and without lesions.

GENITALIA:

Internal genitalia are intact and without injury.

BRAIN & MENINGES: The brain weighs 1,483 grams. The dura mater is intact. No evidence of epidural, subdural, or subarachnoid hemorrhages. The leptomeninges are thin and delicate. Serial coronal sections through the cerebral hemispheres demonstrate no evidence of intraparenchymal hemorrhage or focal lesions. The lateral ventricles are of the usual caliber. Serial transverse sections through the brainstem and cerebellum are unremarkable. The spinal cord at the level of the C1 and C2 vertebrae is partially transected, and hemorrhagic. Intraventricular hemorrhage is not present. There is no fluid in the sphenoid sinuses. There is no significant atherosclerosis present in the Circle of Willis.

MUSCULOSKELETAL: Fractures of the left fourth proximal phalange, C1 and C2 vertebrae, and left mandible. No additional bone or joint abnormalities are seen. Skeletal muscle is red-maroon and moist with a mass appropriate for the decedent's age and sex.

MICROSCOPIC SECTIONS: Heart, lung, liver, kidney.

OTHER LAB PROCEDURES: Photo ⊠ Micro ⊠ Toxicology ⊠ X-Ray ⊠ Fingerprints ⊠ Dental □ DNA ⊠ GSR ⊠ PERK □ HIV □ Hepatitis □ Bacteriology□ Virology □ Accelerants □ Other□

DISPOSITION OF EVIDENCE:

TOXICOLOGY (NMS) – Blood.
OCME – Vitreous, blood, liver, bile, urine.
INVESTIGATOR – Projectiles, DNA card, GSR kit, clothing and personal effects.
FUNERAL HOME – None.

REPORT OF AUTOPSY # C0021-20 Page 4

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				1 1 1 41	L	oiration), and mild alveolar
TIME	Gld mulmonary	, vacciilar condectior	ı ıntra∍alveolar and t	nronchial ervintocy	te accumulation (nemoasi	manum, and mud arrevial
TONG: N	mu pumuumary	yasvutat vongesitot	i, illia ai rootai ana t	vi orraniar or James al		• •
			O			

LIVER: No significant histopathologic abnormality.

macrophage accumulation.

HEART: No significant histopathologic abnormality.

KIDNEY: No significant histopathologic abnormality.

SUMMARY:

The decedent was an 18-year-old male who was involved in a vehicular pursuit with police and was subsequently shot during the incident. He was pronounced dead at the scene.

The examination showed gunshot wounds involving the face, neck and left hand. The gunshot wound to the neck was associated with lethal injury. There was no significant natural disease.

Postmortem toxicology revealed metabolites of marijuana and nicotine, which did not contribute to death.

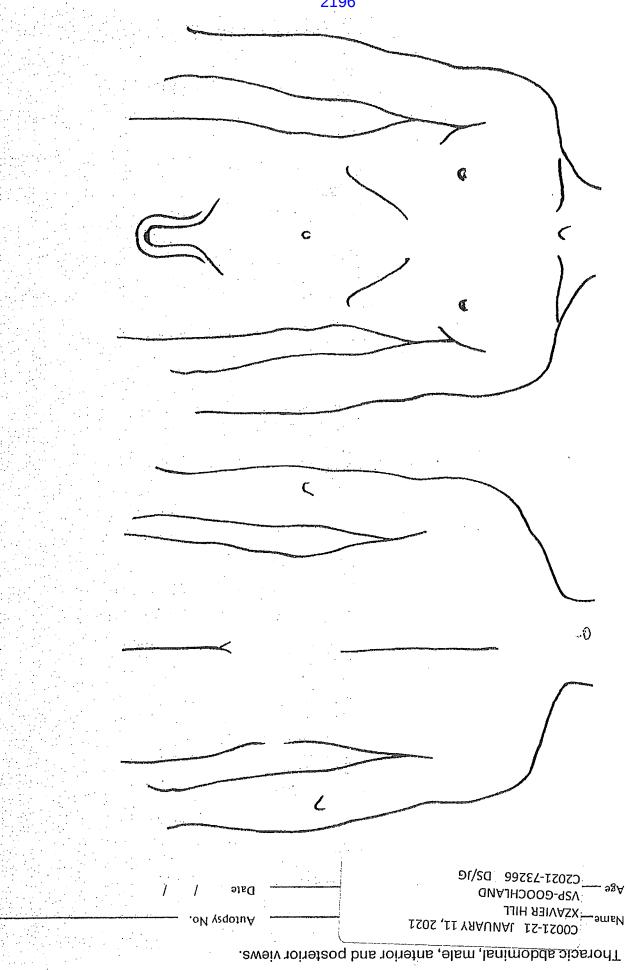
CAUSE OF DEATH:

Gunshot wound to the neck.

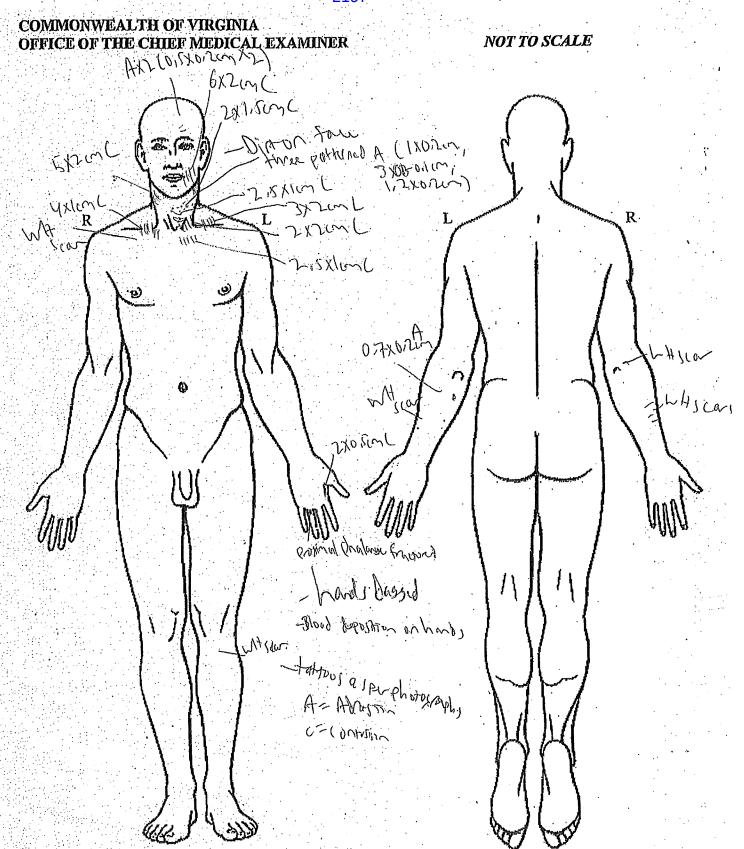
MANNER OF DEATH:

Homicide.

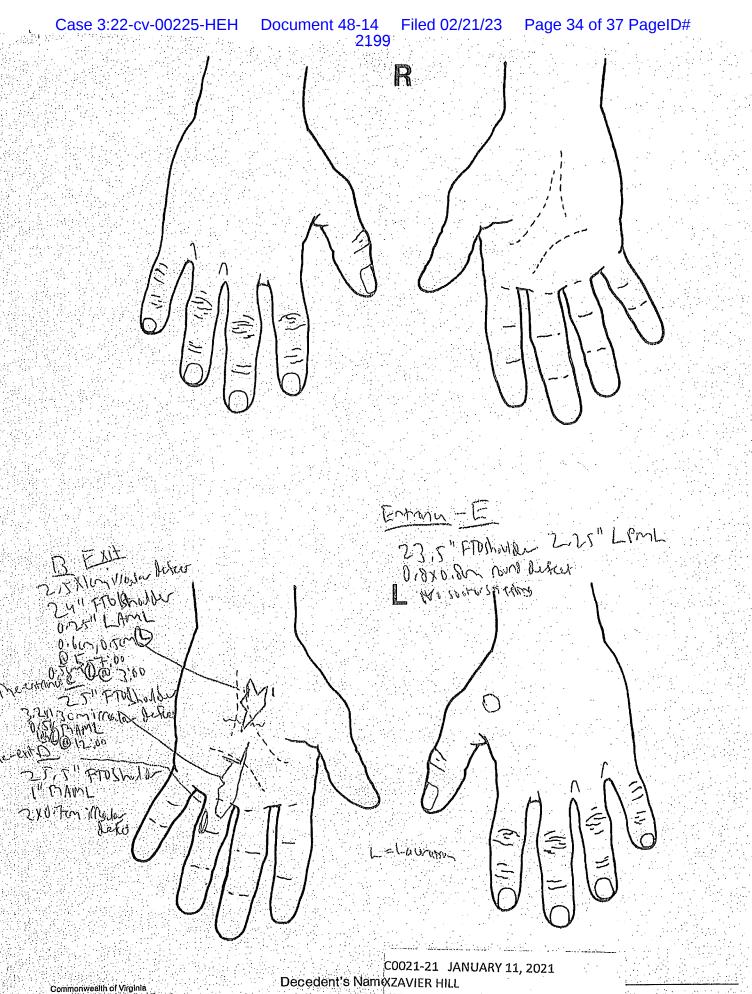
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FIDIT, 34" LAME OF IN ABOUT MENCYCLARASI)



C0021-21 JANUARY 11, 2021 XZAVIER HILL VSP-GOOCHLAND C2021-73266 DS/JG



Commonwealth of Virginia Office of the Chief Medical Examiner Decedent's NameXZAVIER HILL
VSP-GOOCHLAND
Examined By ——C2021-73266 DS/JG

NMS Labs

200 Welsh Road, Horsham, PA 19044-2208 Phone: (215) 657-4900 Fax: (215) 657-2972 e-mail: nms@nmslabs.com

Robert A. Middleberg, PhD, F-ABFT, DABCC-TC, Laboratory Director



Toxicology Report

Report Issued 01/30/2021 10:01

Office of the Chief Medical Examiner-Central

400 East Jackson Street

Richmond, VA 232193694

Patient Name Patient ID Chain

HILL, XZAVIER C2021-73266 21014234

Age 18 Y Gender

DOB 06/12/2002

Male 21014234

Page 1 of 3

Workorder



Positive Findings:

Compound	Result	<u>Units</u>	Matrix Source	
Cotinine	Positive	ng/mL	001 - Iliac Blood	
11-Hýdroxy Delta-9 THC Delta-9 Carboxy THC	6.1 120	ng/mL ng/mL	001 - Iliac Blood 001 - Iliac Blood	
Delta-9 THC	21	ng/mL	001 - Iliac Blood	

See Detailed Findings section for additional information

Testing Requested:

Analysis Code		Description			
8052B	• • •	Postmortem,	Expanded, Bl	ood (Forensic)	

Specimens Received:

ID Tube/Container	Volu Mas		Matrix Source	Labeled As
001: Clear Vial	14 n	nL 01/11/2021 10	00 Iliac Blood	C2021-73266
002: Clear Plastic Bag	Not	Given Not Given	Shipping Containe	r Not Applicable

All sample volumes/weights are approximations.

Specimens received on 01/13/2021.

NMS v.21.0





CONFIDENTIAL

Workorder

21014234

Chain 21014234 Patient ID

C2021-73266

Page 2 of 3

Detailed Findings:

Analysis and Comments	Result	Units	Rpt. Limit	Specimen Source	Analysis By
Cotinine	Positive	ng/mL	200	001 - Iliac Blood	LC/TOF-MS
11-Hydroxy Delta-9 THC	6.1	ng/mL	1.0	001 - Iliac Blood	LC-MS/MS
Delta-9 Carboxy THC	120	ng/mL	5.0	001 - Iliac Blood	LC-MS/MS
Delta-9 THC	21 ·	ng/mL	0.50	001 - Iliac Blood	LC-MS/MS

Other than the above findings, examination of the specimen(s) submitted did not reveal any positive findings of toxicological significance by procedures outlined in the accompanying Analysis Summary.

Reference Comments:

11-Hydroxy Delta-9 THC (Active Metabolite) - Iliac Blood:

11-Hydroxy Delta-9 THC is an active intermediate metabolite of tetrahydrocannabinol (THC) the active component of marijuana. Usual peak levels: Less than 10% of THC levels after smoking.

Cotinine (Nicotine Metabolite) - Iliac Blood:

Cotinine is a metabolite of nicotine and may be encountered in the fluids and tissues of an individual as a result of tobacco exposure:

Anabasine is a natural product occurring in tobacco, but not in pharmaceutical nicotine and a separate test for anabasine in urine can be used to distinguish tobacco from pharmaceutical nicotine use.

The reported qualitative result for this substance was based upon a single analysis only. If confirmation testing is required please contact the laboratory.

Delta-9 Carboxy THC (inactive Metabolite) - Illac Blood:

Delta-9-THC is the principle psychoactive ingredient of marijuana/hashish. Delta-9-carboxy-THC (THCC) is the Inactive metabolite of THC. The usual peak concentrations in serum for 1.75% or 3.55% THC marijuana cigarettes are 10 - 101 ng/mL attained 32 to 240 minutes after beginning smoking, with a slow decline thereafter. The ratio of whole blood concentration to plasma concentration is unknown for this analyte. THCC may be detected for up to one day or more in blood. Both delta-9-THC and THCC may be present substantially longer in chronic users. THCC is usually not detectable after passive inhalation.

Delta-9 THC (Active Ingredient of Marijuana) - Illac Blood:

Marijuana is a DEA Schedule I hallucinogen. Pharmacologically, it has depressant and reality distorting effects. Collectively, the chemical compounds that comprise marijuana are known as Cannabinoids.

Delta-9-THC is the principle psychoactive ingredient of marijuana/hashish. It rapidly leaves the blood, even during smoking, falling to below detectable levels within several hours. Delta-9-carboxy-THC (THCC) is the inactive metabolite of THC and may be detected for up to one day or more in blood. Both delta-9-THC and THCC may be present substantially longer in chronic users.

THC concentrations in blood are usually about one-half of serum/plasma concentrations. Usual peak levels in serum for 1.75% or 3.55% THC marijuana cigarettes: 50 - 270 ng/mL at 6 to 9 minutes after beginning smoking, decreasing to less than 5 ng/mL by 2 hrs.

Unless alternate arrangements are made by you, the remainder of the submitted specimens will be discarded six (6) months from the date of this report; and generated data will be discarded five (5) years from the date the analyses were performed.

Case 3:22-cv-00225-HEH Document 48-14 Filed 02/21/23 Page 37 of 37 PageID#

NMS

CONFIDENTIAL

Workorder 21014234 Chain 21014234 Patient ID C2021-73266

Page 3 of 3

Workorder 21014234 was electronically signed on 01/30/2021 09:38 by:

Just Qui Sull

Jennifer L. Turrl Swatek, M.S.F.S., D-ABFT-FT Certifying Scientist

Analysis Summary and Reporting Limits:

All of the following tests were performed for this case. For each test, the compounds listed were included in the scope. The Reporting Limit listed for each compound represents the lowest concentration of the compound that will be reported as being positive. If the compound is listed as None Detected, it is not present above the Reporting Limit. Please refer to the Positive Findings section of the report for those compounds that were identified as being present.

Acode 52198B - Cannabinolds Confirmation, Blood - Iliac Blood

-Analysis by High Performance Liquid Chromatography/ Tandem Mass Spectrometry (LC-MS/MS) for:

 Compound
 Rpt. Limit
 Compound
 Rpt. Limit

 11-Hydroxy Delta-9 THC
 1.0 ng/mL
 Delta-9 THC
 0.50 ng/mL

 Delta-9 Carboxy THC
 5.0 ng/mL
 0.50 ng/mL

Acode 8052B - Postmortem, Expanded, Blood (Forensic) - Iliac Blood

-Analysis by Enzyme-Linked Immunosorbent Assay (ELISA) for:

Compound	Rpt. Limit	Compound	Rpt. Limit
Barbiturates	0.040 mcg/mL	Gabapentin	5.0 mcg/mL
Cannabinoids	10 ng/mL	Salicylates	120 mcg/mL

-Analysis by Headspace Gas Chromatography (GC) for:

		•	
Compound	Rpt. Limit	Compound	Rpt. Limit
Acetone	5.0 mg/dL	Isopropanol	5.0 mg/dL
Ethanol	10 mg/dL	Methanol	5.0 ma/dL

-Analysis by High Performance Liquid Chromatography/Time of Flight-Mass Spectrometry (LC/TOF-MS) for: The following is a general list of compound classes included in this screen. The detection of any specific analyte is concentration-dependent. Note, not all known analytes in each specified compound class are included. Some specific analytes outside these classes are also included. For a detailed list of all analytes and reporting limits, please contact NMS Labs.

Amphetamines, Anticonvulsants, Antidepressants, Antihistamines, Antipsychotic Agents, Benzodiazepines, CNS Stimulants, Cocaine and Metabolites, Hallucinogens, Hypnosedatives, Hypoglycemics, Muscle Relaxants, Non-Steroidal Anti-Inflammatory Agents, Oplates and Opioids.